WHAT IS CLAIMED IS:

- 1. A DNA construct comprising as operably linked components in the direction of transcription, a promoter region obtainable from a gene selected from the group consisting of a napin gene, an EA9 gene or an acyl carrier protein gene; a DNA sequence of interest other than the native coding sequence of said gene; and a transcription termination region, wherein said components are functional in a plant cell, and wherein said DNA construct is flanked by T-DNA.
- 2. The DNA construct according to Claim 1, wherein said DNA sequence of interest encodes an enzyme.
- 3. The DNA construct according to Claim 1, wherein said DNA sequence of interest is an antisense sequence.
- 4. A plant cell having an altered phenotype as a result of expression of a DNA construct according to Claim 1.
- 5. The plant cell according to Claim 4, wherein said DNA construct is flanked by T-DNA.
- 6. The plant cell according to Claim 5 wherein said cell is one from the group consisting of a soybean cell and a rapeseed cell.
- 7. The plant cell according to Claim 4, wherein said DNA sequence of interest encodes an enzyme.
- 8. The plant dell according to Claim 4, wherein said DNA sequence of interest is an antisense sequence.
- 9. A plant comprising cells comprising a DNA construct according to any one of Claims 1-3.
- 10. The plant according to Claim 9, wherein said plant is dicotyledonous.
 - 11. Seed obtained from a plant according to Claim 10.
 - 12. Seed having a DNA construct according to Claim 1.
- 13. The seed according to Claim 12, wherein said seed is an oil seed or a grain seed.
 - 14. The seed according to Claim 12, wherein said seed is from a dicotyledonous plant.
 - 15. The seed according to Claim 14, wherein said seed is from a plant of the genus *Brassica*.

- 16. The seed according to claim 14, wherein said dicotyledonous plant is selected from the group consisting of cotton, soybean, safflower and sunflower.
- 17. A method for obtaining a plant having a modified phenotype, said method comprising;

transforming a host plant cell with a DNA construct under genomic integration conditions, wherein said construct comprises as operably linked components in the direction of transcription, a promoter region obtainable from a gene, wherein transcription of said gene is regulated in plant seed tissue, a DNA sequence of interest other than the native coding sequence of said gene, and a transcription termination region, wherein said components are functional in a plant cell,

whereby said DNA construct becomes integrated into a genome of said plant cell;

regenerating a plant from said transformed plant cell, and growing said plant under conditions whereby said DNA sequence of interest is expressed and a plant having said modified phenotype is obtained.

as distinct from other plant tissue, said method comprising:

growing a plant, wherein said plant comprises cells containing a DNA construct integrated into their genome, said DNA construct comprising, in the 5' to 3' direction of transcription, a transcriptional initiation region from a gene, wherein transcription of said gene is regulated in a plant seed tissue, a DNA sequence of interest other than the coding sequence native to said transcriptional initiation region, and a transcriptional termination region, whereby said DNA sequence of interest is transcribed under transcriptional control of said transcriptional initiation region and a plant having an altered phenotype is obtained.

- 19. The method according to Claim 17 or 18, wherein said DNA construct is flanked by T-DNA.
- 20. The method according to Claim 19, wherein said plant is a soybean or rapeseed plant.

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- 21. The method according to Claim 17 or 18 wherein said DNA sequence of interest encodes an enzyme.
- 22. The method according to Claim 17 or 18 wherein said DNA sequence of interest is an antisense sequence.
- 23. The method according to Claim 17 or 18 wherein said gene is transcribed during seed embryogenesis.
- 24. The method according to Claim 23 wherein said gene is transcribed from about day 7 to day 40 postanthesis.
- 25. The method according to Claim 17 or 18 wherein said gene is transcribed during seed maturation.
- 26. The method according to Claim 25 wherein said gene is transcribed from about day 11 to day 30 postanthesis.
- 27. The method according to Claim 18, wherein said transcriptional initiation region further comprises a translational initiation region and said DNA sequence of interest is an open reading frame encoding an amino acid sequence.
- 28. A method for modifying the genotype of a plant to impart a desired characteristic to seed as distinct from other plant tissue, said method comprising:

transforming under genomic integration conditions, a host plant cell with a DNA construct comprising in the 5' to 3' direction of transcription, a transcriptional initiation region from a gene, wherein transcription of said gene is regulated in a plant seed tissue, a DNA sequence of interest other than the native coding sequence of said gene, and a transcriptional termination region, whereby said DNA construct becomes integrated into the genome of said plant cell;

regenerating a plant from said transformed host cell; and growing said plant to produce seed having a modified genotype.

- 29. The method according to Claim 28, wherein said DNA construct is flanked by T-DNA.
- 30. The method according to Claim 28, wherein said plant is a *Brassica* plant.
- 31. The method according to Claim 28, wherein said DNA sequence of interest encodes an enzyme.

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- 32. The method according to Claim 28, wherein said DNA sequence of interest is an antisense sequence.
- 33. The method according to Claim 28, wherein said plant is a soybean plant.
- 34. A method for modifying transcription in seed tissue as distinct from other plant tissue, said method comprising:

growing a plant capable of developing seed tissue under conditions to produce seed, wherein said plant comprises cells containing a DNA construct integrated into their genome, said DNA construct comprising, in the 5' to 3' direction of transcription, a seed-specific transcriptional initiation region, a DNA sequence of interest other than the coding sequence native to said transcriptional initiation region, and a transcriptional termination region, whereby said DNA sequence of interest is transcribed under transcriptional control of said seed-specific transcription initiation region.

35. The method according to Claim 34, wherein said DNA sequence of interest is an antisense sequence.

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- 36. The method according to Claim 34, wherein said plant is of the genus Brassica.
- 37. The method according to Claim 34, wherein said transcriptional initiation region further comprises a translational initiation region and said DNA sequence of interest is an open reading frame encoding an amino acid sequence.
 - 38. The method according to Claim 34, wherein said plant is soybean plant.
 - 39. A method to selectively express a heterologous DNA sequence of interest in seed tissue as distinct from other plant tissue, said method comprising:

growing a plant capable of developing seed tissue under conditions to produce seed, wherein said plant comprises cells having a genomically integrated DNA construct comprising, as operably linked components in the 5' to 3' direction of transcription, a seed-specific transcriptional initiation region and a translational initiation region, a DNA sequence of interest other than the coding sequence native to said transcriptional

initiation region, a transcriptional termination region downstream of said DNA sequence of interest; whereby said DNA sequence of interest is expressed under control of said seed-specific transcriptional and translational initiation region.

- 40. The method according to Claim 39, wherein said plant is of the genus Brassica.
- 41. The method according to Claim 39, wherein said plant is a soybean plant.

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